

INTERFACE DYNAMICS OF THE FISHER EQUATION WITH  
DEGENERATE DIFFUSION

D.HILHORST, R.KERSNER, E.LOGAK and M.MIMURA

**Abstract.** We consider a degenerate parabolic reaction-diffusion equation with a monostable nonlinearity arising in population dynamics. In some suitable scaling limit, we prove the generation and propagation of an interface with constant normal velocity in the case that the initial condition has a convex compact support.